1: Running Containers

```
ubuntu              16.04      9ff95a467e45    3 weeks ago     135MB
ubuntu              16.10      7d3f705d307c    3 years ago     107MB

C:\Users\Divine Seroy>docker rmi <7d3f705d307c>
The syntax of the command is incorrect.

C:\Users\Divine Seroy>docker rmi <7d3f705d307c>
The syntax of the command is incorrect.

C:\Users\Divine Seroy>docker rmi ubuntu:16.10
Untagged: ubuntu:16.10
Untagged: ubuntu@sha256:8dc9652808dc091400d7d5983949043a9f9c7132b15c14814275d25f94bca18a
Deleted: sha256:7d3f705d307c7c225398e04d4c4f8512f64eb8a65959a1fb4514dfde18a047e7
Deleted: sha256:d9db289b9342d9617596cd6ee3bba988629e24d9afa5db4e4b0e4e491c65007d
Deleted: sha256:a87725e8597b97f2399bc3aa50b0e2eec903b8ce19055668d3befb012918205c
Deleted: sha256:38cf10a2801529348366953e9b933d3524360dedc91d3e4d5d7f941da0c973c9
Deleted: sha256:61172966249d43026dbd017eec3a9575e37bddf8a269a9f09ecb559d7bfe7fef
Deleted: sha256:57145c01eb80040fdd0a24cde20af4788605b49593188d4f7efab099af89a08e

C:\Users\Divine Seroy>docker images
REPOSITORY          TAG        IMAGE ID        CREATED         SIZE
docker101tutorial   latest     810f78220c6e    28 hours ago    28MB
alpine/git          latest     b8f176fa3f0d    3 weeks ago     25.1MB
ubuntu              16.04      9ff95a467e45    3 weeks ago     135MB

C:\Users\Divine Seroy>docker run ubuntu:16.04 /bin/echo 'Hello world!'
'Hello world!'

C:\Users\Divine Seroy>_
```

```
Untagged: ubuntu:16.10
Untagged: ubuntu@sha256:8dc9652808dc091400d7d5983949043a9f9c7132b15c14814275d25f94bca18a
Deleted: sha256:7d3f705d307c7c225398e04d4c4f8512f64eb8a65959a1fb4514dfde18a047e7
Deleted: sha256:d9db289b9342d9617596cd6ee3bba988629e24d9afa5db4e4b0e4e491c65007d
Deleted: sha256:a87725e8597b97f2399bc3aa50b0e2eec903b8ce19055668d3befb012918205c
Deleted: sha256:38cf10a2801529348366953e9b933d3524360dedc91d3e4d5d7f941da0c973c9
Deleted: sha256:61172966249d43026dbd017eec3a9575e37bddf8a269a9f09ecb559d7bfe7fef
Deleted: sha256:57145c01eb80040fdd0a24cde20af4788605b49593188d4f7efab099af89a08e

C:\Users\Divine Seroy>docker images
REPOSITORY          TAG        IMAGE ID        CREATED         SIZE
docker101tutorial   latest     810f78220c6e    28 hours ago    28MB
alpine/git          latest     b8f176fa3f0d    3 weeks ago     25.1MB
ubuntu              16.04      9ff95a467e45    3 weeks ago     135MB

C:\Users\Divine Seroy>docker run ubuntu:16.04 /bin/echo 'Hello world!'
'Hello world!'

C:\Users\Divine Seroy>docker ps
CONTAINER ID   IMAGE      COMMAND      CREATED    STATUS    PORTS    NAMES

C:\Users\Divine Seroy>docker ps -a
CONTAINER ID   IMAGE              COMMAND                CREATED          STATUS                    PORTS                               NAMES
ea4d74a2559e   ubuntu:16.04       "/bin/echo 'Hello wo…" 53 seconds ago   Exited (0) 52 seconds ago                                     peaceful_satoshi
d5a196d74ae8   docker101tutorial  "/docker-entrypoint.…" 28 hours ago     Exited (255) 3 hours ago  0.0.0.0:80->80/tcp, :::80->80/tcp   docker-tutorial
4753b9d4a272   alpine/git         "git clone https://g…" 28 hours ago     Exited (0) 28 hours ago                                       repo

C:\Users\Divine Seroy>docker run ubuntu:16.04 /bin/bash

C:\Users\Divine Seroy>docker ps -a
CONTAINER ID   IMAGE              COMMAND                CREATED            STATUS                     PORTS                               NAMES
8adf71523751   ubuntu:16.04       "/bin/bash"            8 seconds ago      Exited (0) 7 seconds ago                                       dazzling_chaum
ea4d74a2559e   ubuntu:16.04       "/bin/echo 'Hello wo…" About a minute ago Exited (0) About a minute ago                                  peaceful_satoshi
d5a196d74ae8   docker101tutorial  "/docker-entrypoint.…" 28 hours ago       Exited (255) 3 hours ago   0.0.0.0:80->80/tcp, :::80->80/tcp   docker-tutorial
4753b9d4a272   alpine/git         "git clone https://g…" 28 hours ago       Exited (0) 28 hours ago                                        repo

C:\Users\Divine Seroy>docker run -it ubuntu:16.04 /bin/bash
root@5a525808017d:/# pwd
/
root@5a525808017d:/# ls
bin   dev  home  lib64  mnt   proc  run   srv  tmp  var
boot  etc  lib   media  opt   root  sbin  sys  usr
root@5a525808017d:/# _
```

```
CONTAINER ID    IMAGE            COMMAND               CREATED             STATUS                  PORTS                           NAMES
8adf71523751    ubuntu:16.04     "/bin/bash"           8 seconds ago       Exited (0) 7 seconds ago                                dazzling_chaum
ea4d74a2559e    ubuntu:16.04     "/bin/echo 'Hello wo…" About a minute ago  Exited (0) About a minute ago                           peaceful_satoshi
d5a196d74ae8    docker101tutorial "/docker-entrypoint.…" 28 hours ago       Exited (255) 3 hours ago  0.0.0.0:80->80/tcp, :::80->80/tcp  docker-tutorial
4753b9d4a272    alpine/git       "git clone https://g…" 28 hours ago        Exited (0) 28 hours ago                                 repo

C:\Users\Divine Seroy>docker run -it ubuntu:16.04 /bin/bash
root@5a525808017d:/# pwd
/
root@5a525808017d:/# ls
bin   dev  home  lib64  mnt  proc  run   srv  tmp  var
boot  etc  lib   media  opt  root  sbin  sys  usr
root@5a525808017d:/# exit
exit

C:\Users\Divine Seroy>docker run -d ubuntu:16.04 /bin/sleep 3600
5a8f053f91185732bf0b7d8f1756faab351dfe11d36ed1c7891ef8dcfea311f5

C:\Users\Divine Seroy>docker ps
CONTAINER ID    IMAGE            COMMAND               CREATED             STATUS              PORTS               NAMES
5a8f053f9118    ubuntu:16.04     "/bin/sleep 3600"     7 seconds ago       Up 7 seconds                            zealous_chaum

C:\Users\Divine Seroy>docker exec -it 5a8 /bin/bash
root@5a8f053f9118:/# ps aux
USER        PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root          1  0.0  0.0   4372   804 ?        Ss   04:44   0:00 /bin/sleep 3600
root          8  0.0  0.0  18232  3284 pts/0    Ss   04:46   0:00 /bin/bash
root         19  0.0  0.0  34420  2780 pts/0    R+   04:47   0:00 ps aux
root@5a8f053f9118:/# exit
exit

C:\Users\Divine Seroy>docker ps
CONTAINER ID    IMAGE            COMMAND               CREATED             STATUS              PORTS               NAMES
5a8f053f9118    ubuntu:16.04     "/bin/sleep 3600"     3 minutes ago       Up 3 minutes                            zealous_chaum

C:\Users\Divine Seroy>docker stop 5a8
5a8

C:\Users\Divine Seroy>docker ps
CONTAINER ID    IMAGE      COMMAND      CREATED      STATUS      PORTS       NAMES

C:\Users\Divine Seroy>
```

```
exit

C:\Users\Divine Seroy>docker run -d ubuntu:16.04 /bin/sleep 3600
5a8f053f91185732bf0b7d8f1756faab351dfe11d36ed1c7891ef8dcfea311f5

C:\Users\Divine Seroy>docker ps
CONTAINER ID    IMAGE            COMMAND               CREATED             STATUS              PORTS               NAMES
5a8f053f9118    ubuntu:16.04     "/bin/sleep 3600"     7 seconds ago       Up 7 seconds                            zealous_chaum

C:\Users\Divine Seroy>docker exec -it 5a8 /bin/bash
root@5a8f053f9118:/# ps aux
USER        PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root          1  0.0  0.0   4372   804 ?        Ss   04:44   0:00 /bin/sleep 3600
root          8  0.0  0.0  18232  3284 pts/0    Ss   04:46   0:00 /bin/bash
root         19  0.0  0.0  34420  2780 pts/0    R+   04:47   0:00 ps aux
root@5a8f053f9118:/# exit
exit

C:\Users\Divine Seroy>docker ps
CONTAINER ID    IMAGE            COMMAND               CREATED             STATUS              PORTS               NAMES
5a8f053f9118    ubuntu:16.04     "/bin/sleep 3600"     3 minutes ago       Up 3 minutes                            zealous_chaum

C:\Users\Divine Seroy>docker stop 5a8
5a8

C:\Users\Divine Seroy>docker ps
CONTAINER ID    IMAGE      COMMAND      CREATED      STATUS      PORTS       NAMES

C:\Users\Divine Seroy>docker ps -a
CONTAINER ID    IMAGE            COMMAND               CREATED             STATUS                  PORTS                           NAMES
5a8f053f9118    ubuntu:16.04     "/bin/sleep 3600"     5 minutes ago       Exited (137) About a minute ago                         zealous_chaum
5a525808017d    ubuntu:16.04     "/bin/bash"           18 minutes ago      Exited (0) 17 minutes ago                               wizardly_wu
8adf71523751    ubuntu:16.04     "/bin/bash"           18 minutes ago      Exited (0) 18 minutes ago                               dazzling_chaum
ea4d74a2559e    ubuntu:16.04     "/bin/echo 'Hello wo…" 20 minutes ago      Exited (0) 20 minutes ago                               peaceful_satoshi
d5a196d74ae8    docker101tutorial "/docker-entrypoint.…" 28 hours ago       Exited (255) 3 hours ago  0.0.0.0:80->80/tcp, :::80->80/tcp  docker-tutorial
4753b9d4a272    alpine/git       "git clone https://g…" 28 hours ago        Exited (0) 28 hours ago                                 repo

C:\Users\Divine Seroy>docker rm 5a8
5a8

C:\Users\Divine Seroy>docker run --rm ubuntu:16.04 /bin/echo 'Hello and goodbye!'
'Hello and goodbye!'
```